

ABSTRACT

This image display device includes a rear plate having a large number of electron emission elements and a face plate placed opposite to the rear plate and having a pattern of a phosphor layer and a pattern of a light absorption layer (a black matrix), on an inner surface of a light transmissive panel. Each pattern portion of the phosphor layer has a polygonal shape obtained by cutting corners from a quadrangle concentric with the light emitting portion which receives electron beams emitted from electron emission elements to emit light. Further, the area of each pattern portion of the phosphor layer can be 1.5 to 4 times the area of the light emitting portion. The image display device is capable of display of high quality with high contrast and without decrease in brightness.

15